

The Shorelines

MONTHLY NEWSLETTER

JULY 2019



2019 SUMMER TAX BILLS



Summer Tax Bills were recently mailed out.

Payments will be accepted without penalty through September 16, 2019
(With 9/16/19 U.S. Post Office postmark) .

Delinquent taxes will be turned over to the county on March 1, 2020.

To pay online with your credit card, visit the city's website at www.gpshoresmi.gov.

Point & Pay is the secure payment process provider for the Village of Grosse Pointe Shores. There is a 3% convenience fee that will be displayed prior to acceptance of the payment. The convenience fee is charged by the payment process provider and not the Village of Grosse Pointe Shores.

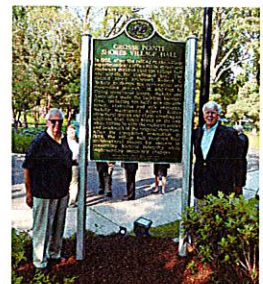


GROSSE POINTE SHORES MUNICIPAL BUILDING HISTORICAL MARKER

THE MICHIGAN HISTORICAL COMMISSION
RECENTLY GRANTED PERMISSION TO ERECT A
HISTORICAL MARKER FOR
GROSSE POINTE SHORES
VILLAGE HALL.

THE MARKER WAS UNVEILED PRIOR TO THE
JUNE COUNCIL MEETING AND IS DISPLAYED AT
THE NORTH ENTRANCE OF CITY HALL

COME BY AND TAKE A LOOK!



CITY NEWS

JULY

2nd	Requests/Plans for 7/23 Planning Commission Meeting must be submitted by this date
4th	Administrative Offices, Court & DPW Closed. Rubbish collection & recycling delayed one day remainder of week.
6th	Weather siren test - 1:00PM
8th	Water bills due
8th	GPSIF Trustee Meeting - 7:00PM
9th	Tree Board Meeting - 7:30AM
12th	Mayor Office Hours - 9:30AM to 10:30AM (Call 881-6565 for appointment)
16th	Council Meeting - 7:00PM
17th	July Board of Review - 9:00AM (Corrections only)
23rd	Planning Commission Meeting - 8:00AM



**NOMINATING PETITIONS
FILING DEADLINE
JULY 23, 2019
4:00PM**

Nominating Petitions and Affidavits of Identity for anyone wishing to run for City Council or Mayor is **July 23rd by 4:00p.m.**

If interested, please contact Election Administrator Tom Krolczyk at (313)881-6565 for further information

*****REMINDER*****

If you initiate a payment to us through your bank, please make sure you reference the **CORRECT** account information on your bank generated check to avoid payment being applied to an incorrect account!!

Examples:

Water Account #7065 - (address)
Boatwell Payment - Well #25
Tax Payment ID #001 01 0001 000



JOHN J. SCHULTE, CHIEF

Grosse Pointe Shores Department of Public Safety

POLICE/DETECTIVE BUREAU
(313) 881-5500
FAX (313) 640-1661

ADMINISTRATION
(313) 881-5501
FAX (313) 881-2622
jschulte@gpshoresmi.gov

GROSSE POINTE SHORES DEPARTMENT OF PUBLIC SAFETY

Please see the attached Grosse Pointe Shores ordinance # 267 regarding the adoptions of the Michigan Fireworks statute. The amount of days and hours that fireworks are allowed have been limited in the amended State of Michigan statute and adopted by the Grosse Pointe Shores City Council.

FIREWORKS SAFETY RULES

1. Fireworks packaged in brown paper are made for professional displays – avoid buying.
2. Always have an adult supervise fireworks activities, especially with sparklers.
3. Back up to a safe distance immediately after lighting fireworks.
4. Never point or throw fireworks at another person.
5. Keep a bucket of water or a garden hose handy in case of fire and to douse used fireworks before discarding in trash.
6. Never allow young children to play or ignite fireworks.
7. Never carry fireworks in a pocket or shoot them off in metal or glass containers.
8. Never try to re-light or pickup fireworks that have not ignited fully.
9. Never place a part of your body directly over a firework device when lighting.
10. Make sure fireworks are legal in your area before buying or using them.

PLEASE BE RESPECTFUL OF YOUR NEIGHBORS

John J. Schulte
Chief of Police/
Director of Public Safety

**THE VILLAGE OF GROSSE POINTE SHORES,
A MICHIGAN CITY**

ORDINANCE NO. 267

**ORDINANCE AMENDING SECTIONS 20-381 AND 20-382 OF THE CITY CODE OF
ORDINANCES REGARDING FIREWORKS**

Section 1. Amendment of Section 20-381 of the City Code of Ordinances.

Section 20-381 of the Code entitled "Giving and selling to minors," is hereby amended to read, in its entirety, as follows:

Sec. 20-381 – Giving and selling to minors.

It shall be unlawful for any person to give, trade, sell or transfer any explosive, fireworks not regulated under the Michigan Fireworks Safety Act, PA 256 of 2011, as amended, gunpowder or any elements thereof to a minor under the age of 18 without the consent of the parent of such minor having first been obtained.

Section 2. Amendment of Section 20-382 of the City Code of Ordinances.

Section 20-382 of the Code entitled "Fireworks," is hereby amended to read, in its entirety, as follows:

Sec. 20-382. - Fireworks.

- (a) *Possession, sale or distribution.* It shall be unlawful for any person to possess, give away, sell or offer for sale any firecracker or fireworks not regulated under the Michigan Fireworks Safety Act, PA 256 of 2011, as amended, provided, the provision of this subsection shall not apply to duly licensed fireworks display operations.
- (b). *Use.* It shall be unlawful for any person to ignite, discharge or use consumer fireworks within the City, except for the dates and times set forth in subsection (c). The provisions of this subsection shall not apply to a duly licensed fireworks display operator and operation.
- (c). *Exclusions.* Subsection (b) does not apply during the following dates and times:
 - (1) After 11:00 a.m. on December 31 until 1:00 a.m. on January 1.
 - (2) After 11:00 a.m. on the Saturday and Sunday immediately preceding Memorial Day until 11:45 p.m. on each of those days.
 - (3) After 11:00 a.m. from June 29 through July 4 until 11:45 p.m. on each of those days.

- (4) After 11:00 a.m. on July 5, if that date is a Friday or Saturday, until 11:45 p.m.
 - (5) After 11:00 a.m. on the Saturday and Sunday immediately preceding Labor Day until 11:45 p.m. on each of those days.
- (d). *Definitions.* The following words, terms and phrases, when used in this section, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:
- (1) "*Consumer fireworks*" are as defined in Section 2(f) of the Michigan Fireworks Safety Act, Act 256 of 2011, as amended, (MCL 28.452(f)) and means fireworks devices that are designed to produce visible effects by combustion, that are required to comply with the construction, chemical composition and labeling regulations promulgated by the United States Consumer Product Commission under 16 CFR parts 1500 and 1507 and that are listed in APA standard 87-1, 3.1.2, 3.1.3, or 3.5. Consumer fireworks do not include low-impact fireworks.
 - (2) "*Low-impact fireworks*" means ground and hand-held sparkling devices as that phrase is defined under APA standard 87-1, 3.1, 3.1.1.1, 3.1.1.8, and 3.5.
- (e). *Violations, fines and penalties.* A person who violates any provision of this Section is responsible for a municipal civil infraction, and shall be subject to a civil fine of \$1,000.00 for each violation. \$500.00 of the fine collected under this Ordinance shall be remitted to the Grosse Pointe Shores Police Department or other local law enforcement agency enforcing this Ordinance.

Section 3. Validity and Severability.

Should any portion of this Ordinance be found invalid for any reason, such holding shall not be construed as affecting the validity of the remaining portions of this Ordinance.

Section 4. Repealer Clause.

Any ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

Section 5. Effective Date.

This Ordinance shall take effect immediately upon publication.

PUBLIC WORKS

COLLECTION OF YARD CLIPPINGS AND GARDEN RUBBISH



This is a seasonal service which ends
December 6th.

Yard clippings and garden rubbish must be placed at the curb in appropriate paper bags for collection on your scheduled day. Tree limbs and branches (brush) must be placed at the curb in lengths of four feet or shorter and tied in bundles weighing less than 50 pounds.

RECYCLABLES

In addition to metal, glass and plastic containers, GFL Sanitation also picks up household batteries (in plastic bags), and magazines (in bundles) separate from newspapers placed in your recycling bins.

Large recycle bin containers are available for purchase at the GPS Administrative Office for \$60 and will be delivered to your home by our DPW Department.

GFL Sanitation Services

844-464-3587

gflscustomerservice@gflenv.com



**DPW CLOSED
THURSDAY'S RUBBISH
COLLECTION AND
RECYCLING WILL BE PICKED UP
FRIDAY, JULY 5TH.**

Don't Feed the Fatberg



Don't feed the fatberg!

The water you flush down the toilet or run down the sink drain goes back into our wastewater system. Thanks to the hard work and expertise of our wastewater treatment providers, this water is treated and then distributed into our lakes and rivers, and the cycle repeats. Our wastewater system is well-equipped for handling our waste; that is, until we start sending things down the drain that the system can't handle. Items such as "flushable" wipes, feminine products and paper towels create obstructions in the system and prevent water from flowing to our treatment plants. Fats, oils and greases (FOG), when dumped down the drain can lead to the build up of fat in pipes, creating fatbergs that are challenging to remove.

We rely on a functioning wastewater system for our public health and quality of life. "Keep it flowing" by disposing only necessary items down the drain.

Keep it flowing

- Pour fats, oils, and greases (FOG) into covered containers and cans, and dispose of them in the trash when full.
- Wipe down pots and pans with a paper towel to remove any remaining FOG.
- Scrape food and scraps into the trash when possible.
- Avoid flushing medications down the toilet or drain when another safe option is available.
- Dispose of feminine products, tissues, paper towels, and other trash in the garbage.

Only flush the Three P's down the toilet: pee, poop, and paper.

HELPFUL TIPS



Helpful tips for keeping the watershed clean:

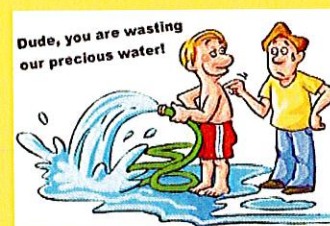
- ◇ Never dispose of paint or paint-related products into the gutters or storm drains. This is illegal dumping.
- ◇ Do not blow, sweep, hose or rake leaves or other yard trimmings into the street, or storm drain.
- ◇ For one time use items, only buy what you need, so storage or waste water will not be a problem.
- ◇ Oil-based paints should be cleaned with paint thinner. Paint thinner can be filtered and reused. Used thinner can be set aside in a closed jar to settle out paint particles and can be stored in a well-ventilated location.
- ◇ Choose earth friendly landscaping. Use non-toxic products for your garden and lawn whenever possible.
- ◇ Use pesticides sparingly.
- ◇ Clean up after your pet.
- ◇ Practice good car care.
- ◇ Conserve water.

Outdoor Watering

In order for the City to keep water rates down, we are requesting residents to limit their outdoor watering to non-peak hours. Please water your lawns between 11:00pm and 4:00am. (Please refrain from watering between 5:00am - 9:00am).

Please be advised all municipal grounds are watered from lake access so residents are advised not to drink water from the sprinkling system.

Thank you for your cooperation.



Lake St. Clair Direct Drainage Subwatershed
<http://www.crwc.org/watershed/subwatersheds/lakestclair/>

Wayne County 24 Hour Hotline
http://www.waynecounty.com/doe_wqm_res_iddep_investigation.htm

Wayne County HHW Program
http://www.waynecounty.com/doe_1rm_prog_swplanning_hhwp.htm

RV Waste Dumps in Michigan
<http://www.rvdumps.com/dumpstations/michigan>

PARKS & RECREATION

WELCOME NEW PARK MANAGER ALISON SCARFONE



We would like to welcome the newest member to our Grosse Pointe Shores family, Alison Scarfone who recently accepted the position of Park Manager. She has a bachelor's degree in communication studies from the University of Detroit Mercy where she graduated summa cum laude and has a background in programming and families and youth. Alison has lived in the Pointes most of her life and is excited to be able to work here doing what she loves. Welcome aboard Alison!

4th of July Shark's Swim Team Fundraiser



The Grosse Pointe Shores Sharks' Swim Team will be hosting a donation only fundraiser from 11am to 3pm & 5pm to dusk on July 4th during our special event at the park. You will receive a fun "shark themed" bracelet for donating.

PARK PARTY RESERVATIONS

can be made at City Hall during normal business hours.

The pavilion is available for reservations accompanied by a \$25 usage fee and a \$150 refundable deposit due at the time of reservation. The deposit may be retained for cleaning charges unless the pavilion is returned to its original condition.

Monday - Friday (Weekdays) Maximum 100 persons per event

Saturday/Sunday (Weekends) Maximum of 75 persons per event

Guest list required for reservation of 10 or more persons



CONCESSION STAND HOURS



Through July 29th:

Monday thru Friday 10AM to 6PM

Saturday: 11AM to 7PM

Sunday: 11AM to 6PM

July 30th through Labor Day:

Monday thru Thursday 11AM to 3PM

Friday: 11AM to 6PM

Saturday: 11AM to 7PM

Sunday: 11AM to 6PM

OSIUS PARK CONTACTS

- PARK MANAGER: ALISON SCARFONE
- POOL MANAGER: KAY DRAKE
- SWIM COACH: JORDAN CLARK
- HARBOR MASTER: TOM KROLczyk
- MAINTENANCE: BOB HECKMAN

POOL OFFICE: 884-2305
GATE HOUSE: 884-7018
HARBOR MASTER: 881-6565

PARK HOURS:
MEMORIAL DAY TO LABOR DAY: 6:00AM TO 12 MIDNIGHT
LABOR DAY TO NOVEMBER 15TH: 7:00AM TO 11:00PM
NOVEMBER 15TH TO APRIL 15TH: 7:00AM TO 7:00PM

POOL HOURS: 10AM TO 9PM WEEKDAYS & WEEKENDS



**LIBRARY BOOK BIKE
& STORY HOUR
With a Craft!**

JULY 11TH
11:30am in the
Park Pavilion

LIBRARY IN THE PARK

Grosse Pointe Shores Park Pavilion

TUESDAY, JULY 18th
from 10am to 1pm



JULY 14TH

**COMMUNITY
SPLASH PARTY
1:00 TO 4:00 PM**

JULY 8TH
SWIM LESSONS SESSION 2 BEGIN

FISHING DERBY



JULY 20th
8:00 AM to 10:00 AM

**@
GROSSE POINTE SHORES
MUNICIPAL PARK PIER**

JULY 11TH

**COMMUNITY
MOVIE NIGHT
@ GPS
PARK**



JULY SWIM MEET DATES & EVENTS

- ♦ **July 3rd** - Swim Meet
5:30 PM
- ♦ **July 10th** - Swim Meet
5:30 PM
- ♦ **July 13th** - Mini Swim Meet
9:00AM
- ♦ **July 17th** - Swim Meet
5:30PM
Camp Out
& Movie Night
- ♦ **July 23rd** - Prelims
8:00 AM
- ♦ **July 24th** - Swim Finals
5:30 PM
- ♦ **July 25th** - Swim Team Banquet
6:00 PM



JULY 4, 2019
SPECIAL CONCERT IN THE GEORGE OSIUS PARK
FEATURING THE TEEN ANGELS

AND

4TH OF JULY FIREWORKS CELEBRATION
IN CONJUNCTION WITH
THE GROSSE POINTE YACHT
CLUB

**ICE
CREAM**

FOOD

COME CHECK OUT THE NEW IMPROVEMENTS TO OSIUS PARK INCLUDING:

- NEW ENTRANCE AND GATE HOUSE
- NEWLY RESURFACED TENNIS COURTS
- NEWLY PAVED PARKING AREA
- AND COMING SOON...A NEW TOT LOT AREA



**THE TEEN ANGELS WILL BE PERFORMING AT 7:00PM FOLLOWED
BY A FIREWORKS CELEBRATION IN CONJUNCTION WITH THE
GROSSE POINTE YACHT CLUB**

(Don't forget to bring your lawn chairs)

The concession stand will be open until 8:00PM with extra staffing provided by Full Circle.

THANK YOU TO THE LIST OF SPONSORS BELOW WHO HAVE DONATED TO OFFSET THE COST
OF THIS EVENT:

- | | |
|---|------------------------------------|
| * ANDERSON, ECKSTEIN & WESTRICK, INC. | * HUBBELL, ROTH & CLARK, INC. |
| * APCOR CONSTRUCTION & DEVELOPMENT | * CHRISTOPHER & JOANNA IZZI |
| * AZIMUTH CAPITAL MANAGEMENT LLC | * MANQUEN VANCE |
| * BADALAMENTI - FERLITO ORTHODONTICS | * MARSHALL LANDSCAPE, INC. |
| * CARLISLE WORTMAN ASSOCIATES, INC | * MHB COMPANIES |
| * COLONY MARINE | * O'REILLY RANCILIO P.C. |
| * COMCAST | * THE RAFFOUL FAMILY |
| * CONSTRUCTEAM | * RHONDA & MICHAEL RICKETTS |
| * FLAME FURNACE | * DR. AL & HELEN SANTINO |
| * FOSTER SWIFT COLLINS & SMITH PC/
ATTORNEYS | * STAHL'S |
| * GAUDINO'S | * STATE FARM - Tom Mazzola , Agent |
| * GROBBEL'S | * STUCKY VITALE ARCHITECTS |
| * HUTCHINSON, SHOCKEY, ERLEY & CO. | * WOODS WHOLESALE WINE |

2019 Summer Class Offerings

- ** Pool will open at 10:30 am to the public June 17th – July 19th (5 wks) due to swim team and swim lessons.
- ** Pool will open at 10 am to the public July 22nd – September 2nd.
- ** All weekends/holidays the pool will be open to the public at 10 am.

Morning Swim: 5:30 – 8:00 AM M-F

Registration Begins 6/10 @ 4 pm at the park
Classes Begin 6/17/19 – 8/23
Residents \$50
Non-residents \$70

Aqua Jog: 6:15 – 7:00 AM Sign-up to show interest and determine whether we will hold a class.
June 19th*, 26th; July 3rd*, 10th, 17th, 24th, 31st; August 7th, 14th, 21st.

*Class dates may be subject to change.

Swim Team: Practice Schedule: No Practice Friday PM. Meets Wednesday PM

AM: 8:30 – 9:30 am	9-12 year olds	PM: 3:30 – 4:30 pm	11 & up
9:00 – 9:45 am	8 & under	4:30 – 5:15 pm	10 & up
9:45 – 11:00 am	13 & over		

Swim Lessons: 2 sessions

Registration Begins 6/10 @ 4 pm at the park
Classes Begin 6/17
Residents \$40 for 2 week session

Session I : 6/17 – 6/28 M-F

Session II: 7/8 – 7/19 M-F

Level 1 & 2 10:30 - 11 and 11:15 - 11:45

Level 3 10:15 - 11 and 11:00 - 11:45

Level 4 12- 12:45

Level 5 & 6 12 - 12:45

Tennis Lessons: 9 one week sessions

Registration Begins 6/10 @ 4 pm at the park
Classes Begin 6/17
Residents \$30 per week
(Must pay before the start of lessons)

10 & under 10 am M-F

11 & up 11 am M-F

Sessions: 6/17, 6/24, (7/1 \$25, no class 7/4), 7/8, 7/15, 7/22, 7/29, 8/5, 8/12

Water Aerobics: 9 weeks (Deep Water Aerobics but you can be at a depth comfortable to you – can stand)

****Noodles available, Aqua Jogger Belt recommended.**

Registration Begins 6/10 @ 4 pm at the park

Classes Begin 6/18 – 8/22

Residents \$75 for 9 weeks (19 classes)

Non-residents \$80 for 9 weeks (19 classes)

Tuesday Evenings: 6:15 – 7:00 pm (6/18 – 8/22) No Class on July 4th

Thursday Evenings: 6:15 -7:00 pm

***Class day may be subject to change for June 20th**

**** Instructor Carrie Moore**

Tai Chi:

Registration Begins 6/10 @ 4 pm at the park

Residents \$98 for 8 weeks

Non-residents \$108 for 8 weeks

Wednesday Mornings: 9 – 10 am Beginners

10 – 11 am Advanced

Session 1: June 26th- August 14th

Session 2: August 28th – October 23rd *No class week of Labor Day

**** Instructor Jennifer Silverston**

ALL POINTES'

SUMMER BASH

for 'Tweens!

Pointe 'tweens entering grades 6 through 8 are invited to a summer kick-off. Pre-registration required at your city's Parks and Recreation Department by Monday, August 5. No walk-ins will be accepted.

Thursday, August 8

6:30 TO 9 P.M.

GPW LAKE FRONT PARK

D.J.

Food Trucks

(Food available for purchase)

Inflatables

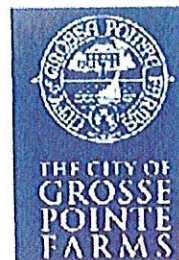
Photo Booth

Foam Party - 8 to 9 p.m.

(Weather permitting)

\$10

Register at your
City's Parks and
Rec Department



GPS TELEPHONE DIRECTORY

City Administration: 881-6565
Dept. of Public Safety: 881-5500
Court Office: 881-5503
Dept. of Public Works: 886-0020
Municipal Park Gate: 884-7018
Pool Office: 884-2305

EMERGENCIES ONLY: 9-1-1
TDD Unit 343-0666
(for the hearing impaired)



Ted J. Kedzierski, Mayor
tkedzierski@gpshoresmi.gov

Bruce Bisballe, Mayor Pro tem
bbisballe@gpshoresmi.gov

Robert Barrette, Council Member
rbarrette@gpshoresmi.gov

Robert Gesell, Council Member
rgesell@gpshoresmi.gov

Tina Ellis, Council Member
tellis@gpshoresmi.gov

Doug Kucyk, Council Member
dkucyk@gpshoresmi.gov

Matthew Seely, Council Member
mseely@gpshoresmi.gov

Bruce Nichols, City Clerk

Brian Renaud
City Attorney

Mark Wollenweber, City Manager
mwollenweber@gpshoresmi.gov

Rhonda Ricketts, Finance Officer & Treasurer
finance@gpshoresmi.gov

John Schulte, Public Safety Director
jschulte@gpshoresmi.gov

Brett Smith, Public Works Director
bsmith@gpshoresmi.gov

Harold Michaux, Grounds Supervisor

Kay Drake, Pool Manager
kdrake@gpshoresmi.gov

Alison Scarfone, Park Manager
ascarfone@gpshoresmi.gov

Pete Bierzynski
Assessor



GPS ADMINISTRATIVE OFFICE HOURS:
Mon-Fri 8:30am to 5:00pm

DPW: Mon-Fri 7:30am to 4:00pm

PUBLIC SAFETY: Open 24 Hours



Please remember to visit the Grosse Pointe Shores website at gpshoresmi.gov. It offers a variety of information useful to residents.

Watch your monthly Council Meeting on our website gpshoresmi.gov. Click on the meeting videos hot button located in the middle of the home page.



Annual Drinking Water Quality Report

This report covers the drinking water quality for the Village of Grosse Pointe Shores, for the calendar year 2018 {Jan. 1 - Dec. 31}. This information is a snapshot of the quality of the water that we provided to you in 2018. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards.

Introduction:

Drinking water quality is important to our community and the region. The Grosse Pointe Shores and the Great Lakes Water Authority (GLWA) are committed to meeting state and federal quality standards including the Lead and Copper rule. With the Great Lakes as our water source and proven treatment technologies, the GLWA consistently delivers safe drinking water to our community. Grosse Pointe Shores operates the system of water mains that carry this water to your home's service line. This year's Water Quality Report highlights the performance of GLWA and Grosse Pointe Shores water professionals in delivering some of the nation's best drinking water. Together, we remain committed to protecting public health and maintaining open communication with the public about our drinking water.

About our system:

The Village of Grosse Pointe Shores is one of 126 communities that receive its water from the GLWA, which provides drinking water to approximately 4.2 million people. The system uses water drawn from two intakes in the Detroit River: one to the north near the mouth of Lake St. Clair and one to the south near Lake Erie. The water is directed to (4) large water treatment plants for processing. A fifth water treatment plant located in St. Clair County uses surface water from Lake Huron. The four plants that treat water drawn from the Detroit River service Detroit area customers.

Detroit River Intakes:

Your source water comes from the Detroit River, situated within the Lake St. Clair, Clinton River, Detroit River, Rouge River, Ecorse River, in the U.S. and parts of the Thames River, Little River, Turkey Creek and Sydenham watersheds in Canada. The Michigan Department of Environmental Quality in partnership with the U.S. Geological Survey, the Detroit Water and Sewerage Department, and the Michigan Public Health Institute performed a source water assessment in 2004 to determine the susceptibility of GLWA's Detroit River source water for potential contamination. The susceptibility rating is on a seven-tiered scale and ranges from very low to very high determined primarily using geologic sensitivity, water chemistry, and potential contaminant sources. The susceptibility of our Detroit River source water intakes was determined to be highly susceptible to potential contamination. However, all four GLWA water treatment plants that use source water from Detroit River have historically provided satisfactory treatment of this source water to meet drinking water standards.

GLWA has initiated source-water protection activities that include chemical containment, spill response, and a mercury reduction program. GLWA participates in a National Pollutant Discharge

Elimination System permit discharge program and has an emergency response management plan. In 2016, the Michigan Department of Environmental Quality approved the GLWA Surface Water Intake Protection Program plan. The programs include seven elements that include the following: roles and duties of government units and water supply agencies, delineation of a source water protection area, identification of potential of source water protection area, management approaches for protection, contingency plans, siting of new water sources and public participation and education. If you would like to know more information about the Source Water Assessment report please, contact GLWA (313)926-8102.

Mandatory language regarding contaminants reasonably expected to be found in drinking water.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organics, which are by-products of industrial processes and petroleum production, and can, also come from gas stations, urban storm water runoff and septic systems.

Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Warning about the vulnerability of some populations to contaminants in drinking water.

Some people may be more vulnerable to contaminants in drinking water than is the general population. Immune-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate

means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Required 2008 *Cryptosporidium* language for one or more of the following water plants; Water Works Park' Northeast, Springwells, and Southwest.

Cryptosporidium a microbial pathogen found in surface water throughout the U.S. Although filtration removes *Cryptosporidium*, the most commonly used filtration methods cannot guarantee 100 percent removal. Our monitoring indicates the presence of these organisms in our source water. *Cryptosporidium* was detected once, during a twelve-month period at our Detroit River intake plants. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of *Cryptosporidium* may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, compromised-compromised people, infants and small children, and the elderly are at risk of developing life-threatening illness. We encourage immune-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease, and it may be spread through means other than drinking water.

New LCR CCR requirements covering the year 2009 water supplies must include information about lead, even if lead is not detected.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Grosse Pointe Shores is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4791).

Grosse Pointe Shores and the GLWA are committed to safeguarding our water supply and delivering the highest quality drinking water to protect public health. We will be updating this report annually and will also keep you informed of any water problems that may occur throughout the year, as they may happen.

If you have any questions, please call the Village of Grosse Pointe Shores Public Works at 313-886-0020. The Grosse Pointe Shores Council meets the 3rd Tuesday of each month at 7:00pm. At the Village Municipal building located at 795 Lake Shore Road.

**Northeast Water Treatment Plant
2018 Regulated Detected Contaminants Tables**

2018 Inorganic Chemicals – Monitoring at the Plant Finished Water Tap

Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Allowed Level MCL	Highest Level Detected	Range of Detection	Violation yes/no	Major Sources in Drinking Water
Fluoride	6-12-2018	ppm	4	4	0.65	n/a	no	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate	6-12-2018	ppm	10	10	0.36	n/a	no	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Barium	5-16-2017	ppm	2	2	0.01	n/a	no	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

2018 Disinfection By-Products – Monitoring in Distribution System, Stage 2 Disinfection By-Products

Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Allowed Level MCL	Highest LRAA	Range of Detection	Violation yes/no	Major Sources in Drinking Water
Total Trihalomethanes (TTHM)	2018	ppb	n/a	80	38.4	38.4	No	By-product of drinking water chlorination
Haloacetic Acids (HAA5)	2018	ppb	n/a	60	14	14	No	By-product of drinking water disinfection

2018 Disinfectant Residuals – Monitoring in Distribution System by Treatment Plant

Regulated Contaminant	Test Date	Unit	Health Goal MRDLG	Allowed Level MRDL	Highest RAA	Quarterly Range of Detection	Violation yes/no	Major Sources in Drinking Water
Total Chlorine Residual	Jan-Dec 2018	ppm	4	4	0.73	0.68-0.77	No	Water additive used to control microbes

2018 Turbidity – Monitored every 4 hours at Plant Finished Water

Highest Single Measurement Cannot exceed 1 NTU	Lowest Monthly % of Samples Meeting Turbidity Limit of 0.3 NTU (minimum 95%)	Violation yes/no	Major Sources in Drinking Water
0.20 NTU	100 %	no	Soil Runoff

Turbidity is a measure of the cloudiness of water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

2017 Lead and Copper Monitoring at Customers' Tap

Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Action Level AL	90 th Percentile Value*	Number of Samples over AL	Violation yes/no	Major Sources in Drinking Water
Lead	2017	ppb	0	15	1.6 ppb	0	No	Corrosion of household plumbing system; Erosion of natural deposits.
Copper	2017	ppm	1.3	1.3	0.1 ppm	0	No	Corrosion of household plumbing system; Erosion of natural deposits; Leaching from wood preservatives.

*The 90th percentile value means 90 percent of the homes tested have lead and copper levels below the given 90th percentile value. If the 90th percentile value is above the AL additional requirements must be met.

**Northeast Water Treatment Plant
2018 Regulated Detected Contaminants Tables**

Regulated Contaminant	Treatment Technique 2018	Typical Source of Contaminant
Total Organic Carbon (ppm)	The Total Organic Carbon (TOC) removal ratio is calculated as the ratio between the actual TOC removal and the TOC removal requirements. The TOC was measured each quarter and because the level was low, there is no TOC removal requirement	Erosion of natural deposits

Special Monitoring 2018				
Contaminant	MCLG	MCL	Level Detected 2018	Source of Contamination
Sodium (ppm)	n/a	n/a	5.94	Erosion of natural deposits

GLWA voluntarily monitors for Cryptosporidium and Giardia in our untreated source water monthly. The March 2018 untreated water samples collected from the Belle Isle intake indicated the presence of one Giardia cyst. All other samples collected from the Belle Isle intake in the year 2018 were absent for the presence of Cryptosporidium and Giardia from the Belle Isle intake. Systems using surface water like GLWA must provide treatment so that 99.9 percent of Giardia lamblia is removed or inactivated.

Key to the Detected Contaminants Table

Symbol	Abbreviation	Definition/Explanation
>	Greater than	
°C	Celsius	A scale of temperature in which water freezes at 0° and boils at 100° under standard conditions.
AL	Action Level	The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.
HAA5	Haloacetic Acids	HAA5 is the total of bromoacetic, chloroacetic, Dibromoacetic, dichloroacetic, and trichloroacetic acids. Compliance is based on the total.
Level 1	Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in the water system.
Level 2	Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
LRAA	Locational Running Annual Average	The average of analytical results for samples at a particular monitoring location during the previous four quarters.
MCL	Maximum Contaminant Level	The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
MCLG	Maximum Contaminant Level Goal	The level of contaminant in drinking water below which there is no known or expected risk to health.
MRDL	Maximum Residual Disinfectant Level	The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum Residual Disinfectant Level Goal	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.
n/a	not applicable	
ND	Not Detected	
NTU	Nephelometric Turbidity Units	Measures the cloudiness of water.
pCi/L	Picocuries Per Liter	A measure of radioactivity
ppb	Parts Per Billion (one in one billion)	The ppb is equivalent to micrograms per liter. A microgram = 1/1000 milligram.
ppm	Parts Per Million (one in one million)	The ppm is equivalent to milligrams per liter. A milligram = 1/1000 gram.
RAA	Running Annual Average	The average of analytical results for all samples during the previous four quarters.
TT	Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.
TTHM	Total Trihalomethanes	Total Trihalomethanes is the sum of chloroform, bromodichloromethane, dibromochloromethane and bromoform. Compliance is based on the total.
μohms	Microhms	Measure of electrical conductance of water



Great Lakes Water Authority Water Quality

RESULTS (BY TOWN) 01/01/2018 To 12/31/2018

<u>Date</u>	<u>Pt.</u>	<u>Br.</u>	<u>Sample #</u>	<u>T. Coliform</u>	<u>E. Coli</u>	<u>Cl2</u>	<u>Need Recheck</u>	<u>Recheck Date</u>
<u>Town Name: Grosse Pointe Shores</u>								
01/05/2018	1	-	46	-	-	0.41		
01/10/2018	1	-	58	-	-	0.28		
01/19/2018	1	-	22	-	-	0.45		
01/26/2018	1	-	1	-	-	0.37		
02/01/2018	1	-	2	-	-	0.27		
02/06/2018	1	-	2	-	-	0.43		
02/12/2018	1	-	2	-	-	0.45		
02/19/2018	1	-	43	-	-	0.44		
03/05/2018	1	-	2	-	-	0.19		
03/09/2018	1	-	11	-	-	0.59		
03/19/2018	1	-	38	-	-	0.37		
03/22/2018	1	-	13	-	-	0.60		
04/02/2018	1	-	2	-	-	0.63		
04/06/2018	1	-	20	-	-	0.65		
04/17/2018	1	-	2	-	-	0.62		
04/20/2018	1	-	12	-	-	0.36		
05/03/2018	1	-	19	-	-	0.59		
05/09/2018	1	-	13	-	-	0.64		
05/15/2018	1	-	2	-	-	0.71		
05/24/2018	1	-	15	-	-	0.71		
06/04/2018	1	-	23	-	-	0.73		
06/08/2018	1	-	14	-	-	0.63		
06/20/2018	1	-	1	-	-	0.62		
06/26/2018	1	-	12	-	-	0.54		
07/05/2018	1	-	6	-	-	0.62		



**Great Lakes Water Authority
Water Quality**

RESULTS (BY TOWN) 01/01/2018 To 12/31/2018

<u>Date</u>	<u>Pt.</u>	<u>Br.</u>	<u>Sample #</u>	<u>T. Coliform</u>	<u>E. Coli</u>	<u>Cl2</u>	<u>Need Recheck</u>	<u>Recheck Date</u>
07/12/2018	1	-	31	-	-	0.60		
07/18/2018	1	-	11	-	-	0.61		
07/27/2018	1	-	7	-	-	0.27		
08/03/2018	1	-	10	-	-	0.55		
08/08/2018	1	-	47	-	-	0.25		
08/15/2018	1	-	2	-	-	0.74		
08/22/2018	1	-	2	-	-	0.13		
09/05/2018	1	-	10	-	-	0.18		
09/14/2018	1	-	7	-	-	0.30		
09/20/2018	1	-	22	-	-	0.48		
09/24/2018	1	-	1	-	-	0.21		
10/04/2018	1	-	2	-	-	0.25		
10/11/2018	1	-	2	-	-	0.14		
10/18/2018	1	-	12	-	-	0.15		
10/30/2018	1	-	32	-	-	0.16		
11/06/2018	1	-	1	-	-	0.26		
11/17/2018	1	-	2	-	-	0.16		
11/19/2018	1	-	2	-	-	0.20		
11/20/2018	1	-	20	-	-	0.34		
12/03/2018	1	-	70	-	-	0.64		
12/07/2018	1	-	2	-	-	0.50		
12/11/2018	1	-	2	-	-	0.27		
12/15/2018	1	-	11	-	-	0.29		

Total No. of Samples Collected: 48



Great Lakes Water Authority
Water Quality

DISTRIBUTION AND BRACKETING - BRACKETING POINTS FOR A TOWN
Town: GROSSE POINTE SHORES

<u>Date</u>	<u>Removed</u>	<u>Pt.</u>	<u>Location</u>	<u>Address</u>
		1	DPW - Lunchroom	795 Lakeshore Drive @ Vernier
			A Private Residence - tap	771 Lake Shore Road
			B Private Residence - tap	833 Lake Shore Road
		2	Residence	1000 Lakeshore
			A tap	970 Lake Shore Road
			B tap	1040 Lake Shore Road
		3	Residence	635 Lakeshore @ Lakeshore Lane
			A tap	611 Lake Shore Road
			B tap	665 Lake Shore Road

Total number of distribution Point numbers :3

Total number of distribution Point numbers in Service : 3

Total number of Bracket Point numbers : 6

Total number of Bracket Point numbers in Service :6